

Appln. No. 09/804,074

Atty Docket 500-1-012

IN THE CLAIMS

1. (Previously presented) A computer-implemented method of network collaboration through embedded annotation and rendering instructions to generate, transmit, and render collaborative content, the method comprising the steps of:

generating by an originator client workstation a collaborative content including a base document having a document identifier that identifies a location of a content; and at least one collaborative content element that comprises at least one annotation therein and rendering instructions therefore so as to annotate said base document by embedding said at least one annotation and instructions therefore as an encoded representation of collaborative content and forwarding the collaborative content to a server for execution;

rendering by a server said collaborative content element to said base document in accordance with said rendering instructions, and providing said collaborative content to said originator client workstation for display.

2. (Previously presented) The method as claimed in claim 1 further comprising the step of annotating said collaborative content by adding another collaborative content element.

Appln. No. 09/804,074

Atty Docket 500-1-012

3. (Original) The method as claimed in claim 2 wherein said annotating step comprises presenting annotation options to said client workstation.

4. (Original) The method as claimed in claim 2 wherein said annotating step comprises inputting a text element to name said collaborative content element.

5. (Previously presented) The method as claimed in claim 2 wherein said annotating step comprises inputting at least one of a symbol, shape and a text input element to generate said at least one of a symbol, shape and a text as said collaborative element.

6. (Previously presented) The method as claimed in claim 2 wherein said annotating step comprises providing a visual cue to indicate the state of said collaborative content.

7. (Original) The method as claimed in claim 6 wherein said visual cue comprises at least one of a marker, cursor, icon, and marquee box.

8. (Previously presented) The method as claimed in claim 59, wherein said transmitting step is initiated by a user

Appln. No. 09/804,074

Atty Docket 500-1-012

selecting a visual element to transmit said collaborative content subsequent to said collaborative content being saved.

9. (Previously presented) The method as claimed in claim 1 wherein said originator client workstation includes as least one of a personal computer equipped with internet browser software, a mobile communication device with a graphical or textual display, and a personal digital assistant equipped with a hypertext viewer.

10. (Previously presented) The method as claimed in claim 1 wherein said originator client workstation includes a program execution capability comprising:

an interpreted software program;

a compiled software program; and

a software program executed by a virtual machine.

11. (Previously presented) The method as claimed in claim 59, wherein said transmitting step is performed using a messaging system.

12. (Original) The method as in claim 11, wherein said messaging system includes at least one of:

Appln. No. 09/804,074

Atty Docket 500-1-012

an electronic mail system;

an electronic news or bulletin-board system; and

a mobile paging system.

13. (Previously presented) The method as claimed in claim 59, wherein said transmitting step is performed using a transport mechanism including at least one of:

a wireless protocol;

a synchronous messaging protocol; and

an asynchronous messaging protocol.

14. (Previously presented) The method as claimed in claim 1 wherein said network is a peer-to-peer network, and the rendering step is performed on a server portion of said originator client workstation in said peer-to-peer network.

15. (Canceled)

16. (Previously presented) The method as claimed in claim 59, wherein the collaborative content transmitted in said transmitting step includes a URL and rendering instructions.

Appln. No. 09/804,074

Atty Docket 500-1-012

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Previously presented) A system for network collaboration using embedded annotation and rendering instructions comprising:

a processor for receiving and transmitting data; and
a memory coupled to the processor, said memory having stored therein sequences of instructions which, when executed by said processor, cause said processor to generate a collaborative content including a base document having a document identifier that identifies a location of content of said base document, and at least one collaborative content element having an embedded annotation in said document identifier and rendering instructions therefore, to render the collaborative content in accordance with rendering instructions.

24. (Previously presented) The system as claimed in claim 23 wherein said memory further comprises sequences of

Appln. No. 09/804,074

Atty Docket 500-1-012

instructions which, when executed by said processor, cause said processor to annotate the collaborative content by adding another collaborative content element.

25. (Previously presented) The system as claimed in claim 24 wherein said annotate instructions comprise presenting annotation options to a user at the client workstation.

26. (Previously presented) The system as claimed in claim 24 wherein said annotate instructions comprise inputting a text element to name said collaborative content element.

27. (Previously presented) The system as claimed in claim 24 wherein said annotate instructions comprise inputting at least one of a symbol, shape and a text input element to generate said at least one of a symbol, shape and text as said collaborative element.

28. (Previously presented) The system as claimed in claim 24 wherein said annotate instructions comprise providing a visual cue to indicate the state of said collaborative content.

29. (Previously presented) The system as claimed in claim 28 wherein the visual cue comprises at least one of a marker,

Appln. No. 09/804,074

Atty Docket 500-1-012

cursor, icon, and marquee box.

30. (Previously presented) The system as claimed in claim 64, wherein said transmit instruction is initiated by a user selecting a visual element to transmit the collaborative content subsequent to said collaborative content being saved.

31. (Previously presented) The system as claimed in claim 23 wherein the client workstation includes at least one of a personal computer equipped with internet browser software, a mobile communication device with a graphical or textual display, and a personal digital assistant equipped with a hypertext viewer.

32. (Previously presented) The system as claimed in claim 23 wherein the client workstation includes a program execution capability comprising:

- an interpreted software program;
- a compiled software program; and
- a software program executed by a virtual machine.

33. (Previously presented) The system as claimed in claim 64, wherein a transmit instruction is performed using a messaging system.

U.S. Appl. No. 09/804,074

Atty Docket 500-1-012

34. (Previously presented) The system as claimed in claim 33 wherein the messaging system includes at least one of:

- an electronic mail system;
- an electronic news or bulletin-board system; and
- a mobile paging system.

35. (Previously presented) The system as claimed in claim 64, wherein a transmit instruction is performed using a transport mechanism including at least one of:

- an internet protocol;
- a wireless protocol;
- a synchronous messaging protocol; and
- an asynchronous messaging protocol.

36. (Previously presented) The system as claimed in claim 23, wherein the rendering instructions are performed on a client workstation.

37. (Previously presented) The system as claimed in claim 23 wherein the rendering instructions are performed on a server.

38. (Previously presented) The system as claimed in claim 64, wherein the collaborative content transmitted includes a URL

U.S. Appl. No. 09/804,074

Atty Docket 500-1-012

comprising the embedded annotation and rendering instructions.

39. (Previously presented) The system as claimed in claim 23 wherein said sequences of instructions include at least one of a client-side scripting language.

40. (Previously presented) The system as claimed in claim 23 wherein said sequences of instructions include at least one of Javascript and dynamic HTML.

41. (Canceled)

42. (Canceled)

43. (Canceled)

44. (Canceled)

45. (Canceled)

46. (Canceled)

47. (Canceled)

48. (Canceled)

49. (Canceled)

50. (Canceled)

Appln. No. 09/804,074

Atty Docket 500-1-012

51. (Canceled)

52. (Canceled)

53. (Canceled)

54. (Canceled)

55. (Canceled)

56. (Canceled)

57. (Canceled)

58. (Canceled)

59. (Previously presented) The method according to claim 1, further comprising the step of:

transmitting between said originator client workstation and at least one receiver client workstation a document identifier having said rendering instructions embedded therein and comprising said collaborative content.

U.S. Appl. No. 09/804,074

Atty Docket 500-1-012

60. (Previously presented) The method as claimed in claim 1 further comprising the step of annotating said collaborative content by adding another collaborative content element by said at least one receiver client workstation.

61. (Previously presented) The method according to claim 1, wherein the document identifier comprises a Universal Resource Locator (URL).

62. (Previously presented) The method according to claim 1, wherein the document identifier comprises a Hypertext Markup Language (HTML).

63. (Previously presented) The method according to claim 1, wherein the document identifier comprises an Extensible Markup Language (XML).

64. (Previously presented) The system according to claim 23, further adapted for transmitting the collaborative content and rendering instructions therefore between client workstations.

65. (Previously presented) The system according to claim 64, wherein the client workstations transmit collaborative content and rendering instructions via a server.